

$^7\text{Li}(^6\text{Li},\text{d}\gamma), ^6\text{Li}(^6\text{Li},\gamma\text{p}) \quad 1969\text{Th01}$

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	J. H. Kelley, C. G. Sheu		NP A880, 88 (2012)	1-Jan-2011

1962Be16: measured not abstracted. Deduced nuclear properties.

1962Be24: measured not abstracted. Deduced nuclear properties.

1969Th01: Li($^6\text{Li},xy$), ($^7\text{Li},xy$), E=5.1-6.3 MeV, measured $\sigma(E_\gamma, \theta(\gamma))$, Doppler shift attenuation. ^{11}B levels deduced $T_{1/2}$. DSAM analysis includes $^7\text{Li} + ^6\text{Li}$, $^6\text{Li} + ^6\text{Li}$, $^7\text{Li} + ^9\text{Be}$, $^6\text{Li} + ^{10}\text{B}$.

 ^{11}B Levels

E(level)	$T_{1/2}$
0	
2.12×10^3	
4.45×10^3	
5.02×10^3	
6.74×10^3	<145 fs
6793	<24 fs
7300	<16 fs
7.98×10^3	<46 fs
8570	<42 fs
8.92×10^3	

 $\gamma(^{11}\text{B})$

E_γ	$E_i(\text{level})$	E_f	Comments
2.12×10^3	2.12×10^3	0	observed In $^6\text{Li} + ^6\text{Li}$.
4.45×10^3	4.45×10^3	0	observed In $^6\text{Li} + ^6\text{Li}$, $^7\text{Li} + ^7\text{Li}$.
4.67×10^3	6793	2.12×10^3	observed In $^7\text{Li} + ^7\text{Li}$.
5.87×10^3	7.98×10^3	2.12×10^3	observed In $^6\text{Li} + ^6\text{Li}$.
6446	8570	2.12×10^3	observed In $^7\text{Li} + ^6\text{Li}$.
6793	6793	0	observed In $^7\text{Li} + ^6\text{Li}$, $^6\text{Li} + ^6\text{Li}$, $^7\text{Li} + ^9\text{Be}$.
7300	7300	0	observed In $^7\text{Li} + ^6\text{Li}$, $^6\text{Li} + ^6\text{Li}$, $^7\text{Li} + ^9\text{Be}$.

$^7\text{Li}(^6\text{Li},\text{d}\gamma), ^6\text{Li}(^6\text{Li},\gamma\text{p}) \quad 1969\text{Th}01$ Level Scheme